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# Monday Magazine

## The Daily Universe

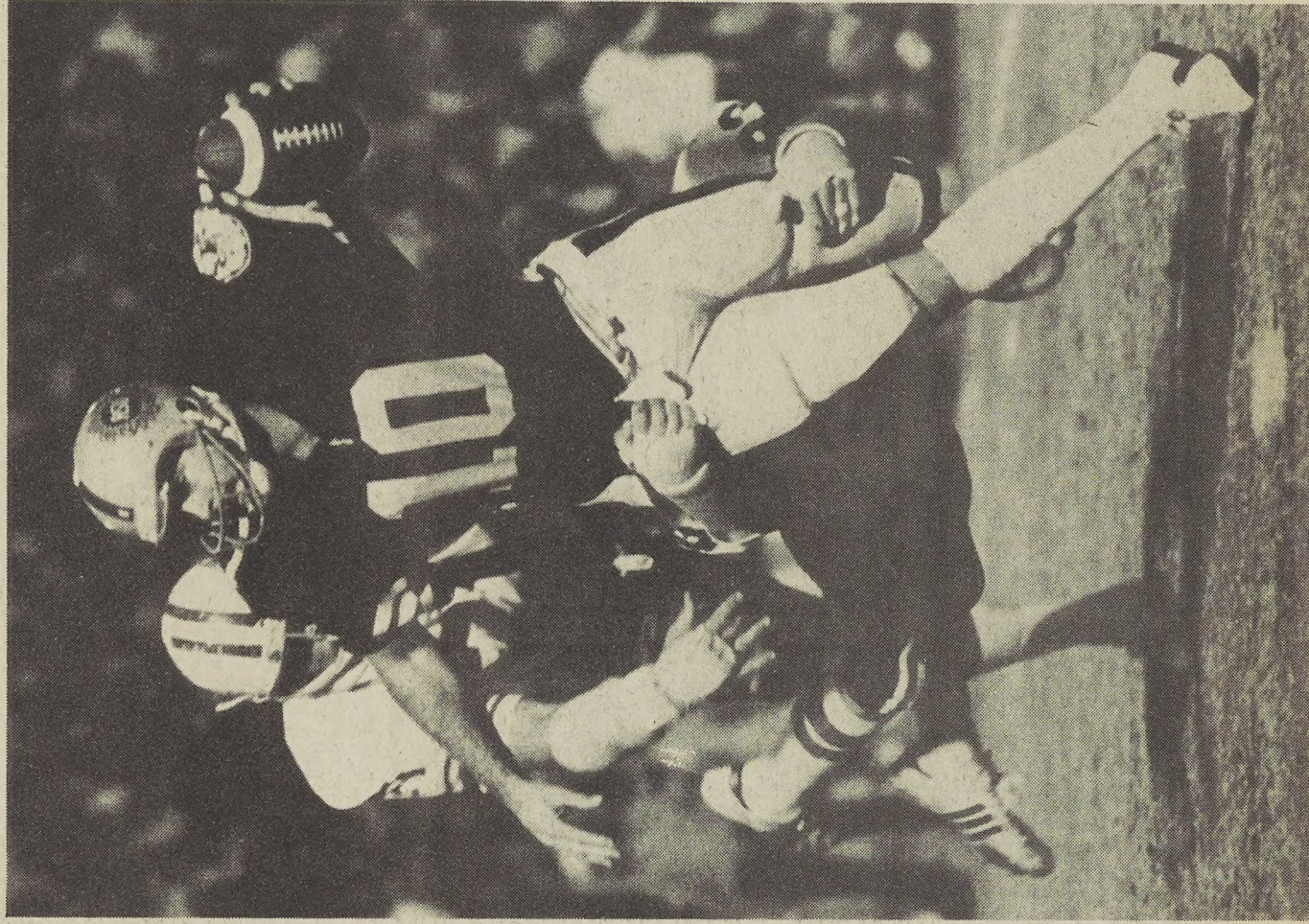
Brigham Young University 374-1211 Ext. 2957 Provo, Utah

Vol. 31 No. 51 Monday, November 14, 1977



Photo by Raelene Colabella

Should you have  
a baby at home?  
(See page 2)



Dark day in Tempe:

BYU fumbles away

WAC championship

(See pages 12-13)



# Should mothers have babies?

By LOREN WEBB and VICKI VARELA  
Monday Magazine Writers

*The birth of a child is a family event and as such should, ideally, take place at home as a normal part of life.*—Sheila Kitzinger, *The Experience of Childbirth*

Bringing a baby into the world is a beautiful experience, but deciding whether to have the baby at home or in the hospital is a growing controversy in Utah Valley.

More and more mothers are choosing to have their babies at home as part of the "back to nature" movement and also for financial reasons. Such home deliveries are causing growing concern among doctors. "Home delivery brings excessive trauma to the mother after the birth of the child," said Dr. Fred Karchner, chief of obstetrics and gynecology at Utah Valley Hospital.

But many of the mothers, midwives and naturopaths who have been involved in natural childbirth in the home feel differently.

"I have yet to find a mother who will have another baby in the hospital after delivering a baby at home," said a naturopath from Idaho Falls, Idaho, who wished

to remain anonymous.

A naturopath uses only natural herbs and medication in the delivery of babies and disagrees with many of the philosophies of modern medicine. "The naturopath interviewed had delivered 300 babies, more than many doctors deliver in a lifetime."

But Provo obstetrician Dr. Jay Broadbent holds another view. "If you want to accept 10 times the risk of losing a mother tell her to have her baby at home," he said. "I have delivered about 10,000 babies and I have never lost a mother."

A naturopath is licensed to perform a mode of healing that attempts to restore health by the use of light, air, water, clay, heat, rest, diet, herbs, electricity, massage, Swedish movements," said Ron Casper, director of the registration department at the Utah Department of Business Regulation. A naturopath may deliver babies if there is no major surgery involved.

## License requirements

Licensed naturopaths must take a science exam, have one year of liberal arts education in college, and four years of professional naturopath school, he said. No naturopaths have been licensed in Utah since 1967, and only 22 were licensed in the state before that time. A license from one state is not valid in another state.

"I hope no one is foolish enough to have a home delivery," said Gregory E. Austin, BYU 11th stake president. "Nobody but a dummy could do it." Austin said he knew of one child who was handicapped because of a home delivery. "They are going down a primrose path (if they deliver at home) as far as I'm concerned."

The naturopath criticized doctors for the discomfort they put mothers through during childbirth. "The stupid physician lays the mother flat on her back and sticks her feet in stirrups," he said. "It is only convenient to the doctor."

But Dr. Broadbent said the position "is not at all uncomfortable." The women lays on her back with a pillow under her head. The chin is forced close to her chest so the contractions come easier, he said.

## First minutes vital

Another argument the naturopath made for home delivery was the most important time in a baby's life is the first 15-45 minutes. "In the hospital, a baby is taken away from the mother as soon as it is born," he said. It is not returned for several hours, and by then it has lost its natural instinct for the mother, he said.

When a baby is delivered at home it is given to the mother right after birth and it can nurse immediately. The naturopath recalled the birth of his own son at home last year. "He never did cry," he said. "He just looked at me, nursed for a while, then put his little fists to his mouth. He had control over his neck and he even rolled over."

But Dr. Broadbent said the baby can be handled by the father almost immediately after delivery. The airways are cleared and the baby is placed under an infrared lamp to keep it warm. The father is allowed to hold it in a blanket or play with it.

## Mothers drugged?

The naturopath also said mothers are usually drugged when babies are delivered in the hospital. "The blood from the mother flows to the baby so they are both influenced by it and can't fully appreciate the beautiful experience," he said.

The naturopath does not use drugs of any kind, he said. The mother drinks raspberry tea every day during the prenatal months "to strengthen the uterus and tone the body for pregnancy." During childbirth he uses calcium, iodine, flour, cayenne pepper and massage of pressure points to relieve pain.

"I have never heard a mother yell out in pain in all the babies I have delivered," he said. The naturopath admitted there are some times when the mother may need antibiotics but "they are so overused people become immune to them," he said.

Dr. Broadbent said he had never seen a mother drugged in all the babies he had delivered. "A local anesthetic is used for the episiotomy," he said. Morphine and demerol were used in the past but they haven't been used for years. The baby is not drugged.

## Emergency complications

"Also, you never can tell whether a woman will have a sudden emergency in having her baby," Dr. Karchner said. "Home delivery of babies can't provide the safety for the mother and baby that hospitals can."

Most hospitals have monitoring equipment which picks up the baby's heart rate and gives general feedback on the baby's condition. Even hospitals that without this equipment have a nurse present to watch for trouble signs.

This equipment is essential, Dr. Karchner said. But to have similar equipment in the home would be ridiculously expensive. Even to have a trained nurse in the home would cost at least \$30 for an eight hour shift, he said.

"The most treacherous hours in a baby's life are the first few hours, and one of the major causes of fetal death is aspiration of mucus which is ingested by the infant," it is the major cause of respiratory disease in a child as he or she grows up, Dr. Karchner said.

The naturopath said it was simple to clean the mouth of mucus after birth, and that he had never had any problem with "aspiration of mucus" in all of his 300 deliveries. He has never had any problem with respiration either, he said.

## Believes in hospitals

"For me, there is so much pain involved, I would like all the help doctors can give," said Mrs. David Jacobs, who had a baby in UVH last week. "You couldn't have talked to anyone who believes in the hospital more than me. I'm certainly glad for the blessings of the hospital and modern medications," she said.

But an Orem mother, Linda Beal, said her home delivery was "everything I thought birth should be." She said she had never been to the hospital before and she didn't want to start by having her baby there.



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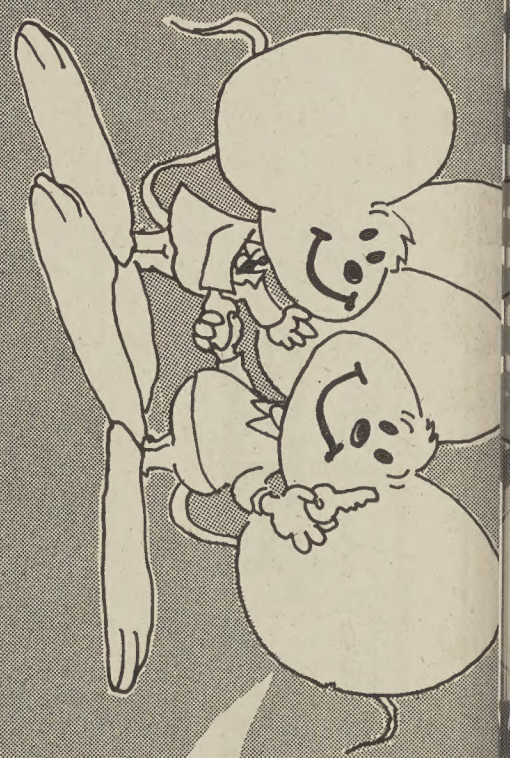
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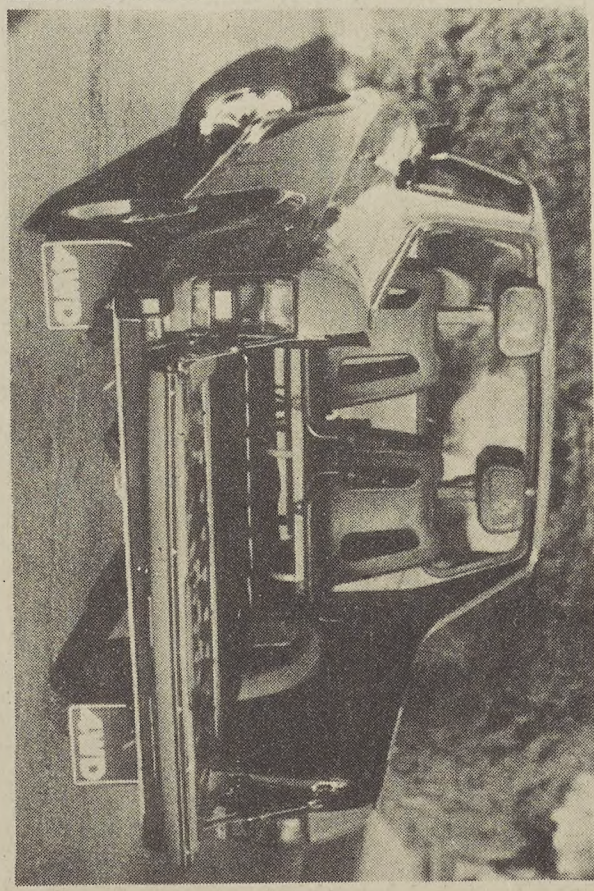
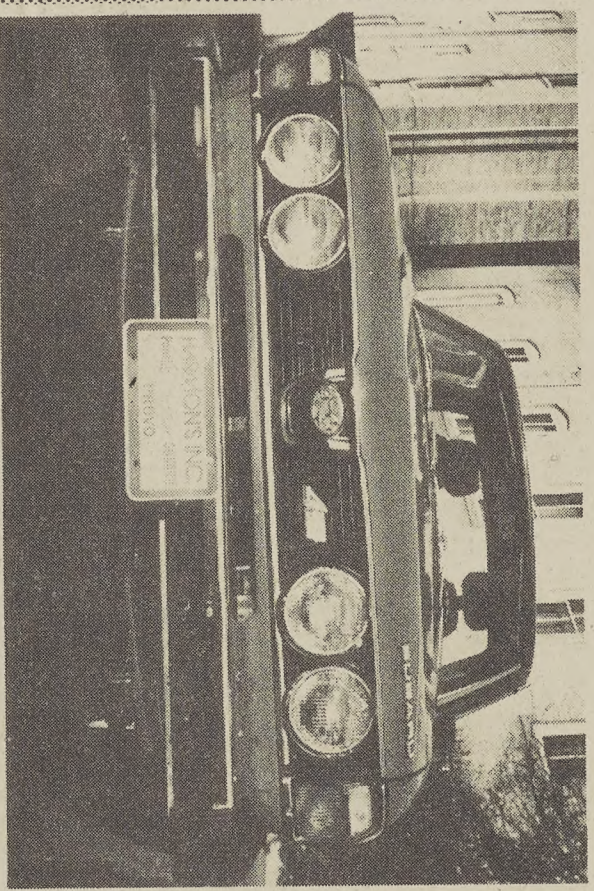
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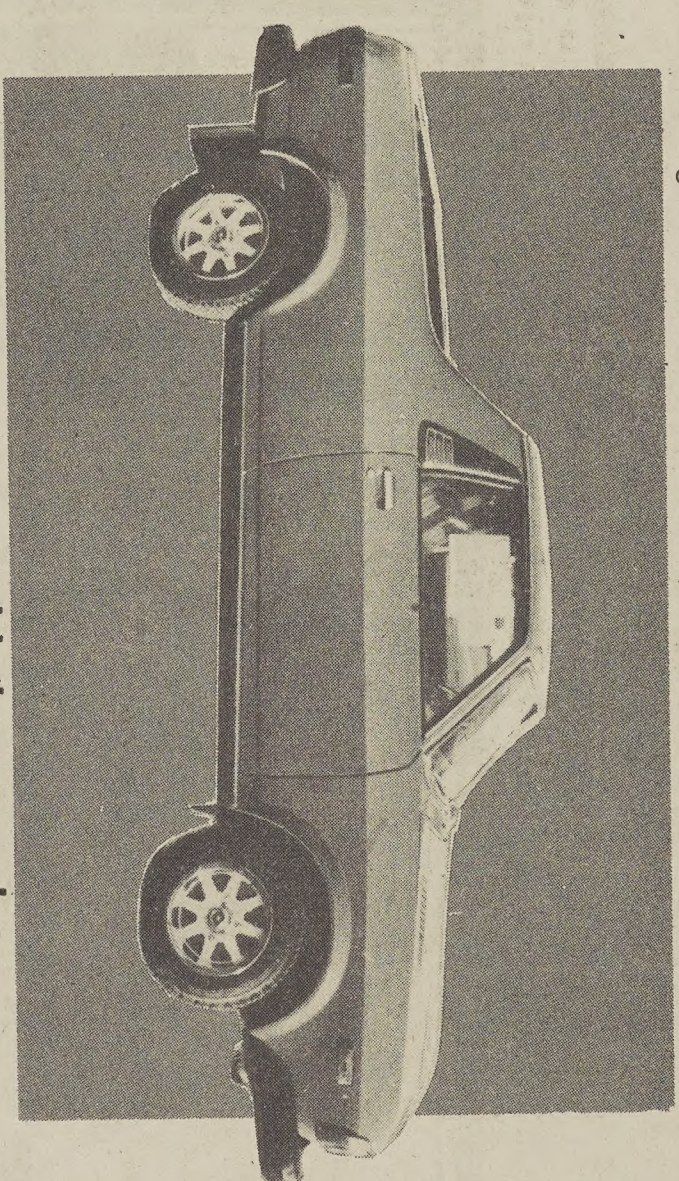


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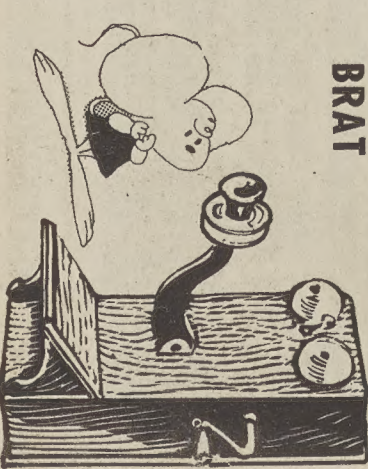
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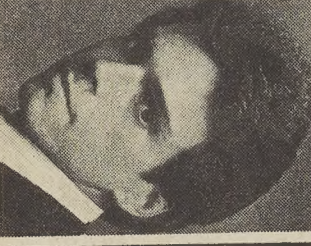
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(Cont. from p. 3)

before she was brought in to the hospital," Dr. Kartchner said.

There are 17 nations in the world with a lower infant mortality rate than the U.S., the naturopath said. "The reason for this is there is pressure on licensed doctors to conform to bad medical practices," he said. "There are lots of doctors who believe in childbirth at home, but they are afraid to speak out for fear of retribution," he said.

## Statistics compared

The Netherlands has more home deliveries than any other country in the world, and as far as statistics go, 14 out of 1,000 births end in death. But The Netherlands is the size of Maryland, with 14 million people, most of whom are close to the hospital in case of emergency, Dr. Kartchner said.

Here in the U.S., people live farther away from hospitals so it's hard to compare the two. He said 21 out of 1,000 births in the U.S. end in death, while only 7.5 deaths occurred per 1,000 at UVH in 1976.

Some mothers who delivered at home expressed their frustration about all the criticism of home deliveries. "We are not telling everyone else how to have their babies. Why does everyone think they have to tell us?" one husband said. "Why should they care what we do? If they tell us how to have our children pretty soon they will be telling us when to have them. We might as well be living in Russia," the wife said.

## Personal decision

The First Presidency of the LDS church has never taken an official stand on the issue, said Jerry Cahill, director of press relations for the church. However, he

said, all states by law require tests for PKU, a disease which can cause severe mental retardation, during the

(Cont. on p. 20)

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# for weight lifter

By ALICE TATE  
Monday Magazine  
Writer

Everyone follows some kind of routine whether it's eating bacon and eggs for every breakfast or studying in the library every Wednesday night. For one BYU student, weight lifting has become a routine. Mike Berteaux says "weight lifting is like brushing my teeth; it's just something I do now. It's not a ritual; it's a routine."

Every Tuesday and Thursday Mike lifts weights for at least an hour "I don't like lifting

him a trophy and a \$100 bill.

At five-foot eight, 155 pounds, Mike edged 40 pounds, Mike edged 40 track stars, the BYU ping-pong champion and several P.E. majors, to win the Superstar competition sponsored by the ASBYU Athletics Office several weeks ago.

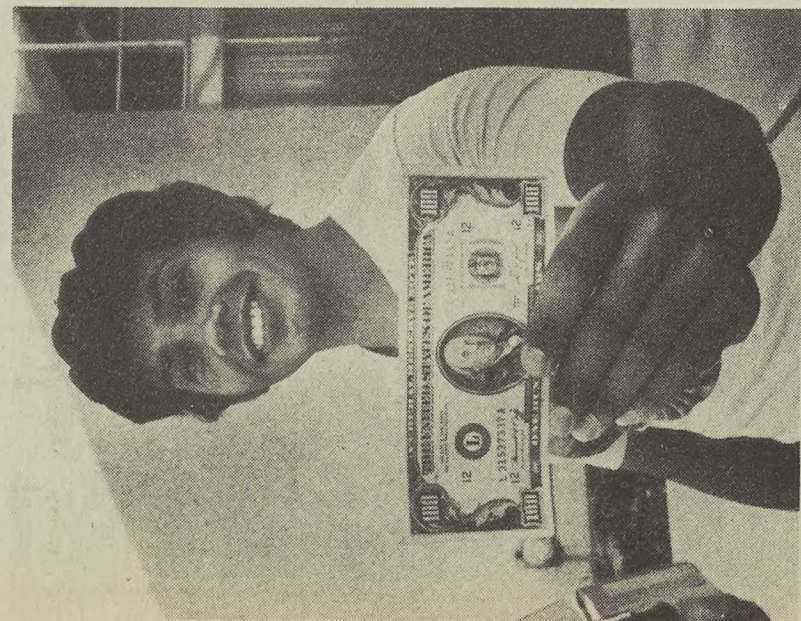
After winning that contest, Mike attended a lecture and demonstration by Jack LaLanne in the Salt Palace Saturday and did 83 push-ups in 45 seconds, winning the \$100 cash prize.

"Usually, when I do push-ups, I hold my breath and then do as many as I can in one breath—about 20, but I was nervous at the Salt Palace and was taking a breath every three or four push-ups," Mike explained.

But a shortage of breath didn't stop him from winning the one minute contest in only 45 seconds. "When I finished about 80 push-ups I smiled at the audience, did three more and stopped," he said.

Mike said he could have completed more push-ups in the remaining 15 seconds but, "I didn't want to wipe everyone out—I just wanted to win," he explained. "There were some young people competing and I didn't want to make them so discouraged that they wouldn't want to ever compete again. Besides, we already won the football game against Utah that day," he added with a grin.

Mike became eligible to compete at the Salt Palace after winning a push-up contest at BYU, sponsored by the Athletics Office during a



Photos by Lyle Stewart

Working out paid off for Mike Berteaux, who completed 83 pushups in 45 seconds to win a recent contest.

someone who isn't training at volleyball or badminton or something could win." Mike said the fact that he did win is a reason for others to enter the competition next year. "You're not beat until you quit," he said, "but if you don't start involved in the game, you're beat right off."

visit by Jack LaLanne. Any BYU student was eligible to compete in the push-up contest, which offered four 50-yard line tickets to the football game against the University of Utah as a prize.

"I didn't know if I really wanted to do it," Mike explained. "I was afraid I'd make a fool out of myself because I hadn't done any push-ups for a long time." It was Mike's roommate, Scott Anderson, who finally convinced him to enter the contest and who kept Mike from leaving when he got there.

## Home births?

(Cont. from p. 4)

first, 24 hours after birth and again after 5 weeks. Administration of silver nitrate to the eyes and official registration by birth certificate are also requirements in all states.

Quoting a Church News editorial, he added that church authorities have sought professional medical help which has extended their lives, and encouraged members to follow their example by seeking competent help from practitioners licensed under the laws of the land.

"The help that is rejected may be the help that could save lives," he said, and warned of the real risks of danger to both mothers and babies when birth takes place at home. The church has always sponsored and supported hospital treatment, he said. "There is no need to seek help from questionable sources."

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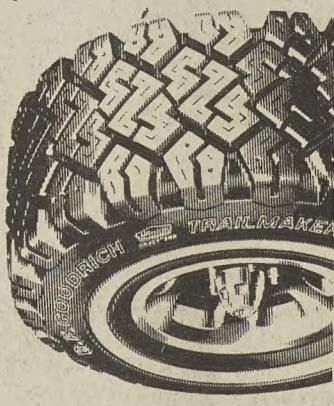
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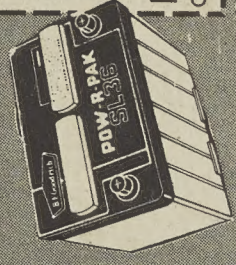
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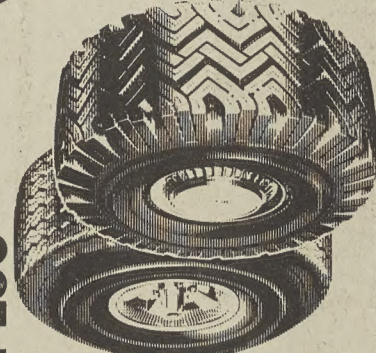
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## Former Faculty

By JANE SUTTON  
Monday Magazine  
Editor

When Mark Cannon returned from the USSR full of the "sights," the sounds and the smells" of the Soviet culture, he left a few things behind: hundreds of copies of the U.S. Constitution, numerous books explaining the American judicial system and constitutional freedoms, several Mormon Tabernacle choir records and a few seeds of understanding and friendship.

Cannon, administrative assistant to Chief Justice Warren Burger, accompanied Burger, accompanied Burger, and his wife on a 10-day goodwill visit to the USSR in September. Cannon is a native of Salt Lake and the former director of BYU's Political Science department.

Cannon's wife and of-

fice assistant Mike Luntz accompanied the group at their own expense. The trip was made at the invitation of Soviet prime minister Leonid Brezhnev, in a visit to the United States several years ago, inquired why Burger had never visited the Soviet Union. When Burger replied that he had never been invited, Brezhnev extended the invitation, the arrangements were subsequently made and Burger went.

The trip was a positive symbolic visit to develop good will and increase trust in the United States, he told a group of BYU honors students at a recent informal fireside.

Though skeptical at first, he decided that the native of Salt Lake and he least to lose by promoting Soviet understanding of the United States.

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**Robert A. Goldwin**  
former White House Consultant  
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**"WHAT'S WRONG WITH  
HUMAN RIGHTS?"**



The chief goals of the American Founders were liberty and prosperity. And yet the Founders feared that the pursuit of these goals would sacrifice the public good to private greed and clutter the life of the citizenry with a host of competing interests. The genius of the American Constitution is that it checks selfish interests with other selfish interests. "Ambition must be made to counteract ambition," wrote the Founders in *The Federalist*. Given the political liberty and economic energy enjoyed by Americans, some immoral acts may be unavoidable; however, immorality is as unacceptable as it is inevitable in American life.

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## to the California

centrating. No sooner does she sit down to study than one of her children comes to her for advice. Mrs. Johnson says: "There goes the study time. As with all the women questioned, family is given first priority.

But what of those women who cannot be away from home or for whom the university is not easily accessible, yet who want to become college graduates?

The Bachelor of Independent Studies degree (BIS) is designed for those who are self-starters or for those who may already have a profession but desire a degree providing an extensive general education. This degree does not offer students a specific major.

"Generally the people who are exposed to college graduates in their environment feel inferior," according to Robert C. Seamons, supervisor of adult degrees in the Division of Continuing Education. "The BIS program provides an opportunity for those who once had a desire to get that college degree."

A few years ago a survey revealed that out of 100,000 alumni, 52 percent never graduated.

The program was introduced to BYU in 1970-71. Applicants must hold high school diplomas or be over 21 years old and have the approval of a BIS counselor. Students work at home on their own schedule at their own pace, and normally take from three and one-half to four years to graduate from the four-year program, applying previously earned credits, Seamons says.

The BIS degree is equivalent to a B.S. or B.A. degree, excluding a major and minor in a specific field of study. Graduates from the BIS are often more sought at-

ter than graduates from the regular four-year programs, Seamons says, because these special students have experience to offer an employer in addition to the college training.

"Ninety-four percent of our graduates are interested in continuing a degree program or are already involved in one," Seamons said. "Men and women often simply want to upgrade themselves in their vocation."

Mrs. Nona Dyer considers her BIS degree part of the "unfinished business in (her) life." She promised her father, Elder LeGrand Richards, she would not marry before she got a degree. She says she didn't keep that promise, but has finally come through with the degree.

"An exciting thing for older people is that when you come back to school and find out you can learn, you feel there is nothing you can't do."

That is not true of young people, she says. They tire of school and making money becomes more important.

"We have an advantage in that we have lived and experienced, and so we become more avid at our learning," Mrs. Dyer says.

She attended the University of Utah in 1938-39, then waited 36 years before enrolling in the BIS program three years ago. She received her degree in August, making her the fourth member of her family to graduate from BYU this year.

"I can't let my children get ahead of me," she says. "It's not an easy way to get an education. It requires work but the rewards are great."

She feels "the sharing of knowledge" warrants a marriage and describes the BIS program as one of the more exciting experiences of her life.

One woman in the middle of her BIS studies is thinking of enrolling in the Masters of Independent Studies course at the University of Oklahoma.

Mrs. Kay Cox of Lehi started her home study program two years ago and plans to graduate next August. She has been a foster parent to 12 Indian children over the past 16 years. With 7 children still at home, she is a woman who doesn't enjoy being out of the home when her children are there. She teaches half days and generally studies in the afternoons when the children are at school. She also had previous college credit from BYU, but had to discontinue her education for lack of money.

She considers the BIS program a "peer learning experience" than when she was at BYU in 1952-53. Professors "don't chew out their peers," she says.

Both Mrs. Dyer and Mrs. Cox believe a person must have a lot of motivation to complete a degree in this manner. They have the highest praise for their counselors and instructors, who provided much-needed encouragement and personalized attention.

The children of some of these non-traditional students are frustrated when their GPAs are lower than their mothers'. They are often astonished, but nonetheless proud, when Mom can help with homework.

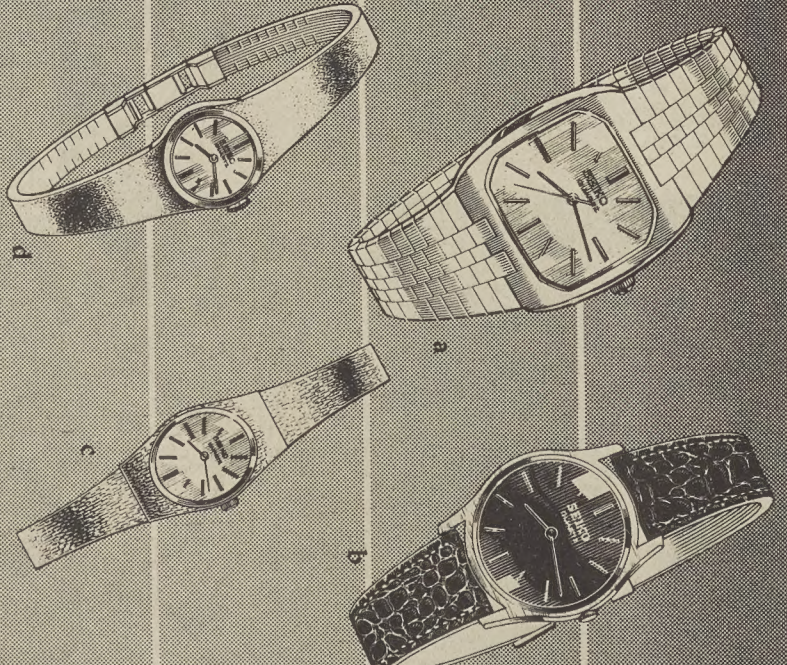
Whether to finish up a pre-babies education or to start from scratch, mothers and grandmothers are setting the example and coming back to school.

Mrs. Ogborn sums up the general attitude when she says, "If my children know that I think college is important enough to do this, maybe they will think twice when it comes to be their turn."



Photo by Sharon Beard  
Vicki Ogborn will graduate in April with a degree in CDPR. It has taken her 14 years to complete. She is shown here with five of her six children.

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By DONNA FOLLETT  
Monday Magazine  
Writer

Chances are the older woman you see in the Cougar hasn't simply dropped by to check on the nutritional value of her son's lunch. Very likely, she is a student herself, grabbing a quick bite between classes.

Not only at BYU but also on campuses nationwide, the number of "non-traditional" women students is reaching noticeable proportions.

Figures released from BYU's Department of Public Communications indicate women enrolled in the 1976 Winter semester ranged in age from 15 to 70 plus. There were 240 women over the age of 35 (close to one percent of total enrollment for the semester) and of that number, 32 were 70 or over. Indications are that the number of older women students is on the rise.

Why do these "non-traditional" or "mature" women students return to school at this stage of their lives?

"When I started working, I found there was no opportunity for advancement unless I got a degree. The wage scale for

most women is very low and when a woman is the breadwinner for a family, it is very difficult unless she has an education," said Claudia Vance, a widow of 18 years and a senior in speech and interpersonal communication.

Mrs. Vance, from Tempe, Ariz., has associate degrees in business and fine arts from the College of Southern Idaho, plans to graduate from BYU in June and then possibly earn a masters in organizational communication.

"Coming back to school has given me re-affirmation of my own identity and my ability to do more than change diapers and wipe noses," she says.

She has the distinction of being named in the 1975 Who's Who American Junior Colleges "in recognition of outstanding merit and accomplishment at the College of Southern Idaho in 1975-76."

Ever since her four children were very young, Mrs. Gerry Johnston, a public relations junior from Calgary, Alberta, Canada, felt she had to go to a university. I had all this gray matter I had not developed," she says.

"However, being away from school for 25 years

has magnified the intensity of the challenge to return to classes.

Left on her own to raise a large family, Mrs. Yvonne Burr of Orem had the full support of their families and admit they couldn't make it without their families' cooperation.

"Planning sessions and Family Home Evenings are an absolute necessity so that everyone's needs

are to cope effectively with studies and the needs of a family.

All the women questioned said they had the full support of their families and admit they couldn't make it without their families' cooperation.

"Planning sessions and Family Home Evenings are an absolute necessity so that everyone's needs

**"Coming back to school has given me re-affirmation of my ability to do more than change diapers and wipe noses."**

are met," says Mrs. Vance.

In the Burr household, it is often necessary to double or triple up on chores, but everyone works together to ease the load.

How do these non-traditional students feel about their interaction with a predominantly 18 to 24-year-old age group?

Mrs. Johnston feels the professors and other students sometimes expect "sage words of wisdom" from people like her. She wants no special treatment or recognition merely because of her age.

She cites examples of instructors who single her out and make a point of saying how glad they are to have her in the class, or referring to her as "Mrs. Johnston." She prefers to be called "Gerry" since "traditional" students are known by their first names.

"I don't want to be someone different in the class. I'm here because I'm uneducated," she says.

These "late learners" are often sought after for advice and counseling by younger students.

Once they quit seeing her as a mother figure and accept her on a peer basis, Mrs. Vance feels the 18-22 year olds react very positively to her presence in their classes.

Her involvement with the other students is evidenced by her lead role in Oklahoma while studying at the College of Southern Idaho.

"I am perhaps less intimidated by the younger students than they are by me," Mrs. Johnston said.

There are other times when these "classroom moms" feel uncomfortable. Instructors often stand before a class and stress that women should be at home until their families have grown up.

Mrs. Oghorn knows what the Mormon stand is, but says "the quality of time spent at home is as important, if not more so, as the quantity. I know my children are well taken care of and well loved."

Study problems are not unique to younger students. Non-traditional students also have their share of problems con-

"The ideas we leave," said Cannon, "can become seeds that later sprout into ideas for institutions."

Some of these seeds were in the form of such books as "Equal Justice Under Law" and "Sources of Our Liberties." The books explained our free system of government and the role of the courts in protecting freedom.

Other glimpses of Americanism were offered during speeches to scientists, justices and civic leaders.

The Soviets "rolled out the royal red carpet" during the entire trip," Cannon said, "but we were constantly surrounded by diplomats and officials; we were never left alone."

"We had to assume everyone was a potential spy, and that they understood what we were saying. Many Soviets speak faultless English," he said.

"We assumed our hotel suite the same one President Nixon stayed in, was being bugged. When we wanted anything, we told the curtains. One day the washcloth disappeared, and we complained to the curtains about it. The next day it was back.

When we wanted to make it difficult for them to understand us, my wife and I whispered in Pig-Latin Spanish."

"The Russians are a tough people," he said. "Their faces are grim, apprehensive, wary. No smiles. When they make friends, though, they are more real, more demanding, less superficial than we are."

There is also a great deal of religious mysticism to be found

among the Russian people. "I was fascinated by the frequency of crosses, cathedrals and paintings of Christ," Cannon said.

**"We assumed we were being bugged. When we wanted anything, we told the curtains."**

The old cathedrals have been restored, at a tremendous cost, a surprising thing with a regime which officially espouses atheism. The gold on one cupola alone on the St. Isaac Cathedral in Leningrad is worth \$30 million.

Though a Communist must admit he is an atheist, the government appears to have stopped open harassment of churches that do no attack the government.

tion for those under 18. All religious instruction comes through the home. Children may attend church, but cannot be organized into formal groups.

Low profile membership work is permitted, and the Baptist church last year conducted 7,000 convert baptisms. Most of these converts were under 30, Cannon said.

During a visit to the Zagorsk seminary, which trains pastors for the Russian Orthodox church, one of the students told Cannon "Most of the parishioners are older people, over 40. But," he added, "we never run out of older people."

According to Cannon,

they "come out of the closet when they are older, and attend church. They are opportunists, and they but in restricted numbers. The same applies for religious magazines. A lot of the people are not true Communists. Cannon. They are opportunists, and they

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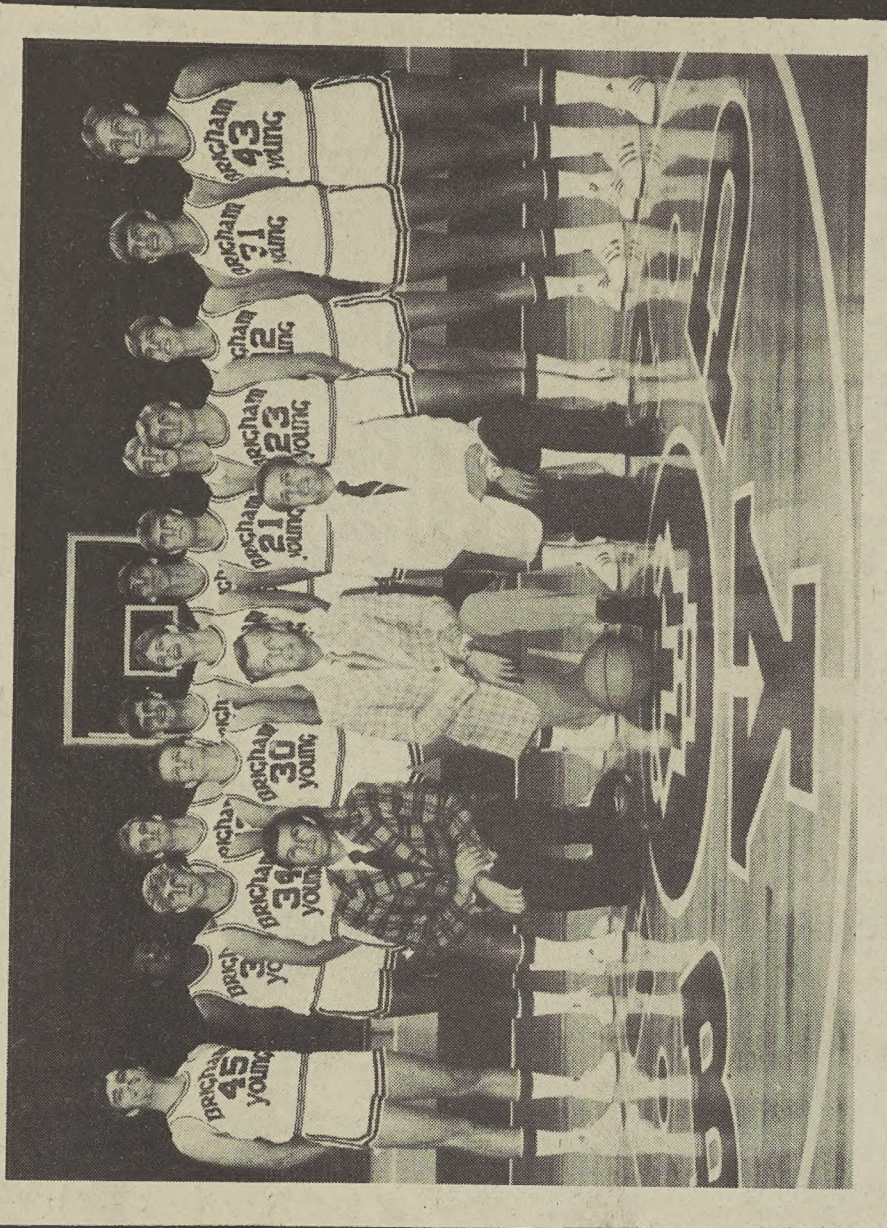
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## Visit promotes Soviet russi

(Cont. from p. 7)  
take advantage of the system.  
Though the Communist system purports to be a classless society, there is actually much more stratified than ours, says Cannon. "Even cars are assigned by class."

"I was fascinated by the implications of such a concentration of power," Cannon said.

"It is mind boggling the amount of power the elites have. There is little problem with drugs, organized crime, and pornography because they simply do not allow it. For example, the penalty for possession of any dangerous drug, even

"It is mind boggling the amount of power the elites have. Even cars are assigned by class."

marijuana, is five years imprisonment." Alcoholism, on the other hand, is a major problem. One scientist joked about importing Mormonism to combat

grow. Our responsibility is to ask ourselves what we are doing with this freedom. Our society is becoming negative in many aspects. It is our challenge to renovate

the alcohol problem.

Other major problems the Soviet Union faces include highly inefficient agriculture, the stifling of science and the spreading of ideas caused by limitations placed on reading matter and communica-

tion, the problems of a rigid bureaucracy and the lack of the creative release that comes with freedom. Problems may also exist when the LDS church tries to enter Russia.

Besides the prohibition on proselytizing and formal religious training, churches are required to organize on a local and not national basis.

When any conflict arises between church and government codes, the people are expected to follow the government code.

"America," Cannon said, "was to remain free so that the church might

"They were amazed that we really didn't drink alcohol," said Cannon. "At dinner, there would often be as many as five classes at each place setting. We hurried to fill them all with mineral water so we would not be served alcohol."

Cannon has special reasons for being interested in the future of the LDS church in that country. His father helped Elder Francis Lyman of the Council of the Twelve to dedicate Russia for missionary work at the turn of the century.

Exactly what the effects of the visit will be, no one can say. But the seeds have been planted.

## SATURDAY'S WARRIOR

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Skip Skidmore, taxidermist on the museum team, makes a few improvements in the dental work of his furry friend, Skidmore got his start in taxidermy at age 14, when my hamster died and I skinned him.

Photos by Scott Packer

ing fine wood excelsior or styrofoam as an artificial body to replace the animal's real body. Wires, used to support the artificial body, allow Skidmore to shape the body into a life-like form. The mount is completed by fastening the animal skin around the artificial body.

"It's amazing how much life an animal takes on once glass eyes are put in and the animal is groomed," said Skidmore. Grooming an animal brings a lot of joy. Bringing life to a mounted animal includes painting parts of the animal, such as the feet and beak of a bird, with oil paints to restore the natural colors, which have faded since the animal's death. A brush is used to groom the animal's fur or feathers.

Plant life and ground cover for the Utah Lake diorama and a second diorama depicting a beaver dam near the Utah Mountains are being prepared under the direction of museum preparator Karen Bascom.

"People have no idea how long it takes to prepare plant life, for two large dioramas," commented Miss Bascom. Four paid assistants, four volunteers and she have worked since last March preparing thousands of plastic leaves and about 200 half inch flowers for the displays. "It takes six hours just to assemble one willow branch and 15 minutes to make one little flower," she said.

The completed plants will be placed in plaster of paris blocks for mounting in display cases. A mud-like mixture called "Smooie Putz," made of asbestos, dextrose, lime and water, will be smoothed over the blocks. Earth banks will be built up with fine chicken wire, covered with plaster of paris-coated burlap.

"I enjoy my work because it's very creative," said Miss Bascom, who has worked with the museum for over four years. "It's a challenge to experiment with different materials and methods of creation."

Murals for the two dioramas are being painted by mural artist Ilene Lussier.

"I'd rather be painting than doing anything else," said Ms. Lussier, a full-time staff member since last June. "I've always wanted to paint murals, but because of the expense of materials I never had this opportunity until now."

Ms. Lussier began the murals by "blocking in," which means painting the basic design of the picture in flat colors with a big brush or roller. Now she is adding details and texture, which is called "finishing." This process "takes a lot of time," she said. "I spent two weeks finishing a three foot square patch of reeds."

Ms. Lussier said her main problem is that "I'm painting the murals on flat surfaces, which will become curved surfaces in the dioramas." She ex-

plained that the mural canvases, stretched on wood frames during painting, will be glued to the wall of the diorama, in a curve five to six feet deep at the center. While she paints, she must compensate for the curve. This is because the light striking a curved mural will come from only one direction, while light striking a flat surface comes from three directions.

Another difficulty, she said, is "making the transition from the foreground to the background." To ensure that the texture and color of the mural will match that of the foreground plant life, she compares the Utah Lake mural to reeds to be used in the diorama.

Production of exhibits is managed by Brian Hatch, museum production technician. In the museum production shop in the Fletcher Building, he and two student assistants put together the physical aspects of the displays, using the designs created by Miss Chamberlain.

Hatch and his assistants are now building information stands for the new museum. The stands will "show the full animal in its natural habitat," in transparency below a glass pane, said Hatch. Each stand will include a button which the museum visitor will push to light the exhibit.

Twelve of these stands will be placed in the Bean Memorial Room to provide more information



Photos by Scott Packer

Ilene Lussier adds details to a patch of reeds on the canvas that will become the curved background for a three-dimensional wildlife display. Mounted animals and artificial plants will be added to the scene.

about the animal mounts donated by Bean, according to Hatch. Some of the African photos to be displayed were taken by Bean and his staff during their safaris.

Benches, tables and wastebaskets, built after the same motif as the information stands, and 2,500 specimen trays for storing insect collections are among the many other items Hatch and his assistants are preparing for the new museum.

Dr. Tanner commented on the goals of the new

museum. "Through the displays in the museum, we hope to help people develop a greater appreciation for the non-human parts of creation," he said. "We want to show the public the roles, natures and habits of animals in the hope that this will lead to a greater respect on the part of man for nature."

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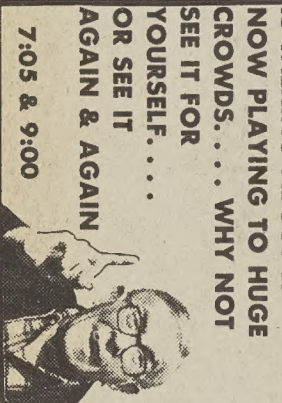
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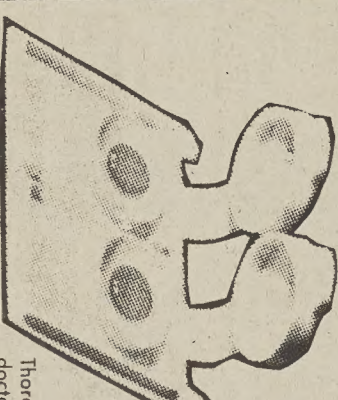
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By SHERI EYRE  
Monday  
Writer

A prize Bengal tiger from India, a British Columbian cub grizzly bear, an eight-and-a-half foot tall Kodiak bear, a lion and hippopotamus soon be moving across campus. The animals will leave the Heber J. Grant Building for their new home in the Monte L. Bean Life Sciences Museum.

The museum, located southeast of the Marriott Center, will be the first building on campus to be used exclusively as a museum advisory committee.

After final committee approval, Miss Chamberlain works with the other members of the museum team to find out if they are able to meet the needs of the design. As team members work together to create a display, they often revise the design to improve the realism and educational value of the display.

Life-like wildlife dioramas, now being created in the Grant Building, were designed by Miss Chamberlain for the new museum. These three-dimensional displays will include mounted animals within a foreground of artificial plant life and ground cover. Large murals will add realistic backgrounds to the scenes.

Wildlife on Utah Lake will be featured in one of these dioramas. "I spent a great deal of time studying the different areas of the marsh on the lake," said Miss Chamberlain. Based on her observations, she chose the area of the marsh and the types of birds to include in the diorama.

Miss Chamberlain, now working full-time for the museum, was recruited in 1965 by Kent McKnight, who was then museum curator. "I was selected for my love of art and botany," she said. "I paid my way through college as assistant curator and designer for the museum."

In preparation for opening the new museum, the museum staff is "revitalizing and cleaning up existing exhibits," because there isn't time

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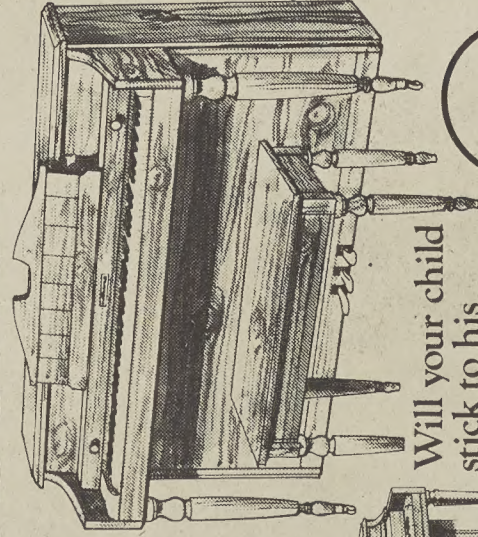
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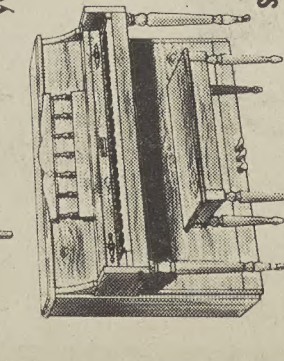
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before the opening to begin displays from scratch, said Miss Chamberlain.

An old upland game birds diorama is now being revitalized. Skip Skidmore, the taxidermist on the museum team, is busy mounting game birds to replace the poorer mounts. Skidmore, a student working part-time for the museum, has been with the team for a year.

Skidmore's interest in taxidermy began at age nine when "my pet hamper died and I skinned him." However, he received no real direction until age 14 when "a friend of my father mounted a hen mallard while I watched."

During high school, "I got a reputation as being a person who'd pick up dead animals off the road," he said. Although he was kidded by friends and scout leaders, "I soon had them picking up animals for me to help with my hobby."

To prepare animals for the new museum, Skidmore uses two taxidermy techniques. For small animals such as rodents, birds, spiders and snakes, Skidmore of-

ten uses the modern taxidermy technique of freeze drying.

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He has received many Academic Honors and Awards including the E. Harris Harbison Award for Distinguished Teaching. He is a member of the American Academy of Arts & Sciences and former director of the National Endowment for the Humanities Seminar.

Some of the books he was written include Faith and Philosophy, God and Other Minds and God, Freedom and Evil.

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## Experts say so, offer

By KATHLEEN  
MAC ISAAC  
Monday Magazine  
Writer

Do BYU students spend too much time studying? It might sound like heresy, but some experts say "yes." They suggest that if students would learn how to study, they could get by spending fewer hours studying — and learn more in the process.

This is the consensus of Wayne Herlin, chairman of the General Studies Dept.; Howard Reid, Professor of Career Education, and Edwin Sorenson, teacher of BYU's effective study class. A 1966 talk given to BYU students by Paul H. Dunn, President of The First Quorum of Seventies, also supports that idea.

A student who has put it into practice is Geraldine Johnston, 46, mother of four, who returned to BYU after 23 years of being a home-maker. Her long absence from school caused her to forget how to study.

While skimming through the BYU catalogue she noticed a class that intrigued her. It was titled "General Studies 110 — Effective Study and Adjustment to College." She immediately enrolled. Now a junior in public relations, Mrs. Johnston still uses the basic concepts learned in that class.

The class gave Mrs. Johnston the confidence she needed to get started. "I was very excited about getting an education. Without this class, that excitement would have been killed," she relates.

The class began as Psychology 100 in 1963 with Dr. Howard Reid as one of the teachers. Since then it has grown in popularity (12 sections were offered this fall) and scope. It teaches students not only how to study but also how to take notes in lectures, how to read effectively, and how to approach the taking of different exams.

Most classes start the semester by listening to a tape of Elder Dunn's 1966 talk, "Elder Dunn, a 'C' and 'D' student until he

worked out his own program of effective study," lists three points for BYU students:

1. Be consistent or regular in your program of study.

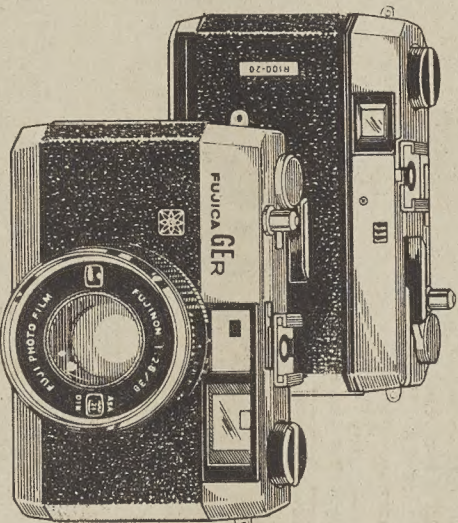
2. When you read and study, do it with purpose and understanding.

3. Set up a definite plan or system and stick to it.

Elder Dunn raised his average from "C" and "D" to "B" and "A" and maintained that level. His formula is to study the same subjects in the same place at the same time, each day. At first, he studied four hours a day.

By practice he disciplined his mind and reduced the time required to absorb the same amount of material — at first to three hours, then to two hours of study each day — to maintain an "A" average.

This near miracle of maintaining an A average on two hours of study each day takes two weeks to accomplish. "For 14 days, there's nothing, but on the 15th day something just happens," Elder Dunn promises.



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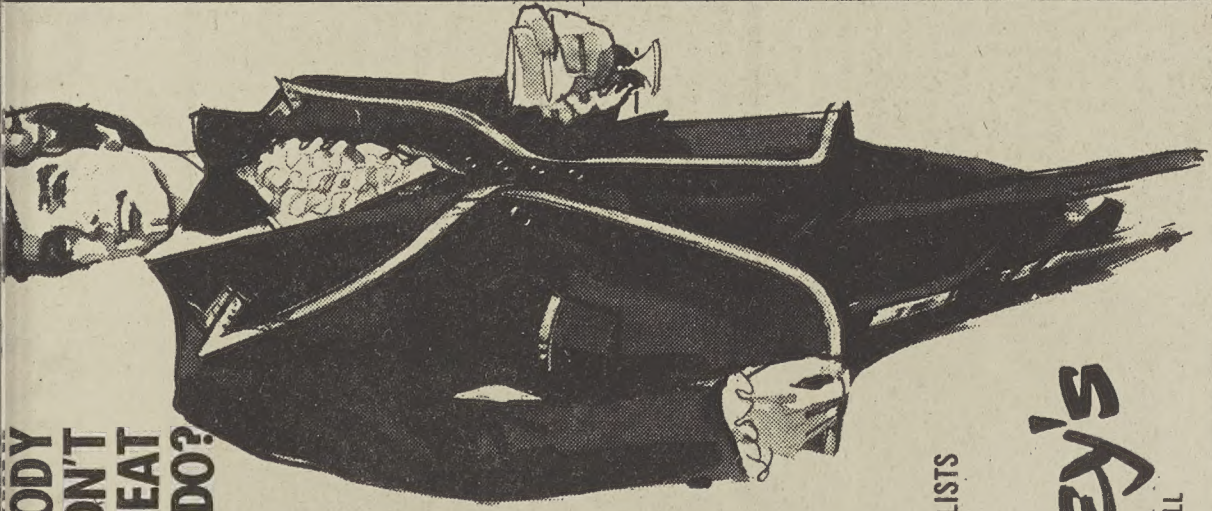
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A 1942 BYU graduate and communications professor has been named to head the LDS public communications department.

Heber G. Wolsey was appointed public communications managing director after LDS President Spencer W. Kimball announced Friday the appointment of Wendell J. Ashton as publisher of the LDS-owned Deseret News.

Ashton, appointed managing director of LDS public communications in 1972, was the first to hold that position. He has also been named executive vice president of the Deseret News Publishing Co., administered by a board of directors headed by Elder Thomas S. Monson.

Both men will assume their new duties on Jan. 1, 1978.

Wolsey graduated from BYU with a B.S. degree in Accounting and Business Administration. He taught communications from 1963 to 1966 at BYU and also directed University communications as an assistant to the president.

Employed by LDS external communications since 1973, Wolsey directed electronic media promotion and research.

Heber Wolsey

The Deseret News has been without a publisher since the death of Earl Hawkes in 1972. William B. Smart, Deseret News editor and general manager, who has since directed the newspaper, will continue in that position.

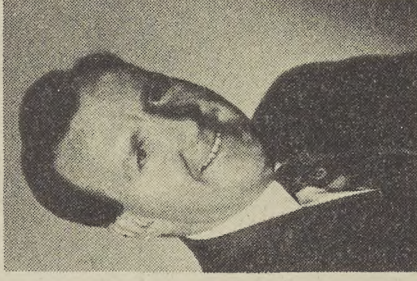
Ashton was Deseret News managing editor during 1947-48. He is the author of seven books including "Voice In The West," a history of the Deseret News.

Ashton is currently the first vice president and president-elect of the Salt Lake area Chamber of Commerce, president and chief executive officer of the Utah Symphony and a member of the LDS Hospital board.

He is a member of the executive committees of Citizens for a Better Utah and Utahns Against Pornography. Ashton, a native of Salt Lake, received the BYU Department of

LDS public communications

Communication Meritorious Service Award in 1975. He has been a member of BYU's College of Business National Advisory Council since 1972.



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Along with hints on planning and regularity, effective study students learn how to improve their reading. Many students read a text and re-read it and re-read it. Professor Sorenson tells his students to read it once. They are given several



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advice

Professor Sorenson likes Elder Dunn's ideas and uses them in his class. His students receive tips to help them study more effectively.

Each student receives time-tables that must be filled out in detail each day for a week. Students are evaluated on the basis of whether or not they accomplished what they had planned.

"This has been most helpful to me. I needed to learn to schedule my time," emphasizes Mrs. Johnston. Although she doesn't still plan out every hour of every day, Mrs. Johnston has benefited from the experience. "When it's down on paper, it's harder to break," she says.

One of Sorenson's students, Sheila Fennelley, a senior in Clothing and Textiles from Newfoundland, has a most mastered the art of studying effectively. "I used to stay up all night studying. Now I'm done by five o'clock," she exclaims.

Some students study best early in the morning, others in the afternoon. Most BYU experts on the subject feel that students shouldn't study at night unless they work part-time during the day and have no other choice.

Sorenson tells his students that most of the university's social activities occur between 7 and 9 p.m. Even if a student

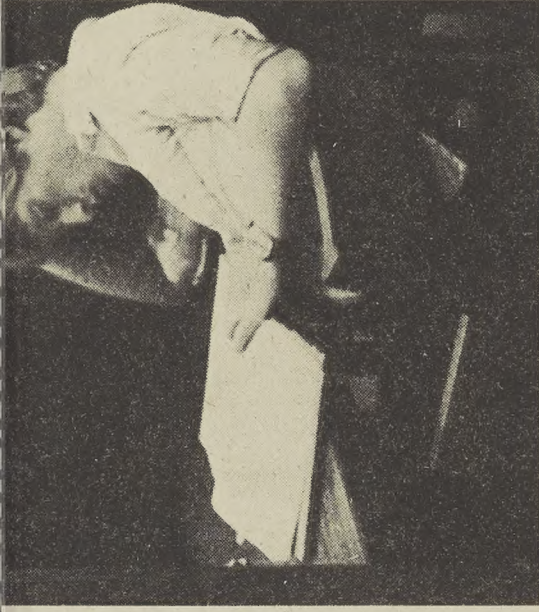


Photo by Ren Mason

Improving study habits will cut study time.

ideas to help them avoid the triple-reading syndrome. They can make notes in the margins after they read each section or they can shade or underline key ideas as they read along. Students are encouraged to experiment and find out what works best for them.

If you like to study in your room or in a comfortable chair, the experts

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The class is open to all students. However, Willis Banks, who is presently teaching two sections of "Effective Study and Adjustment to College," prefers to teach freshmen. "If we can get them when they come in, they can really profit," he says.

Also if you think you're a great student because you can study calculus or electronics for three hours straight, there's more bad news for you. Students shouldn't study for more than an hour without a 10-minute break. It's wiser to study another subject after the hour is up, they say.

"Unfortunately a high percentage of BYU students study between 9 and 12 p.m.," Herlin laments. "Students return

Herlin believes that a student's classes shouldn't all be scheduled preparation," he advises.

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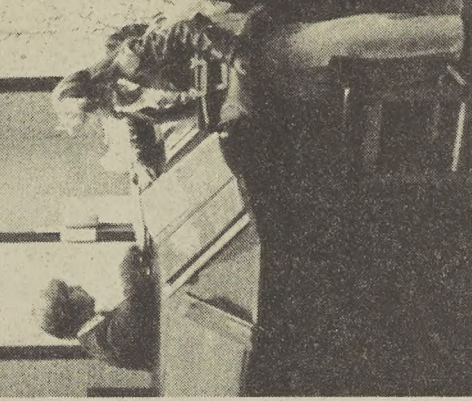
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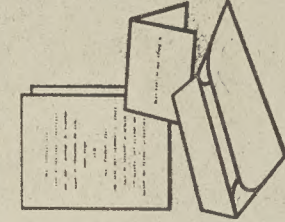


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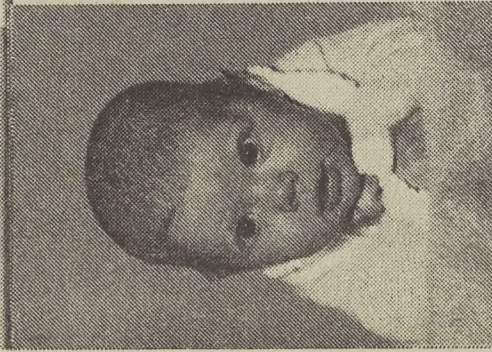
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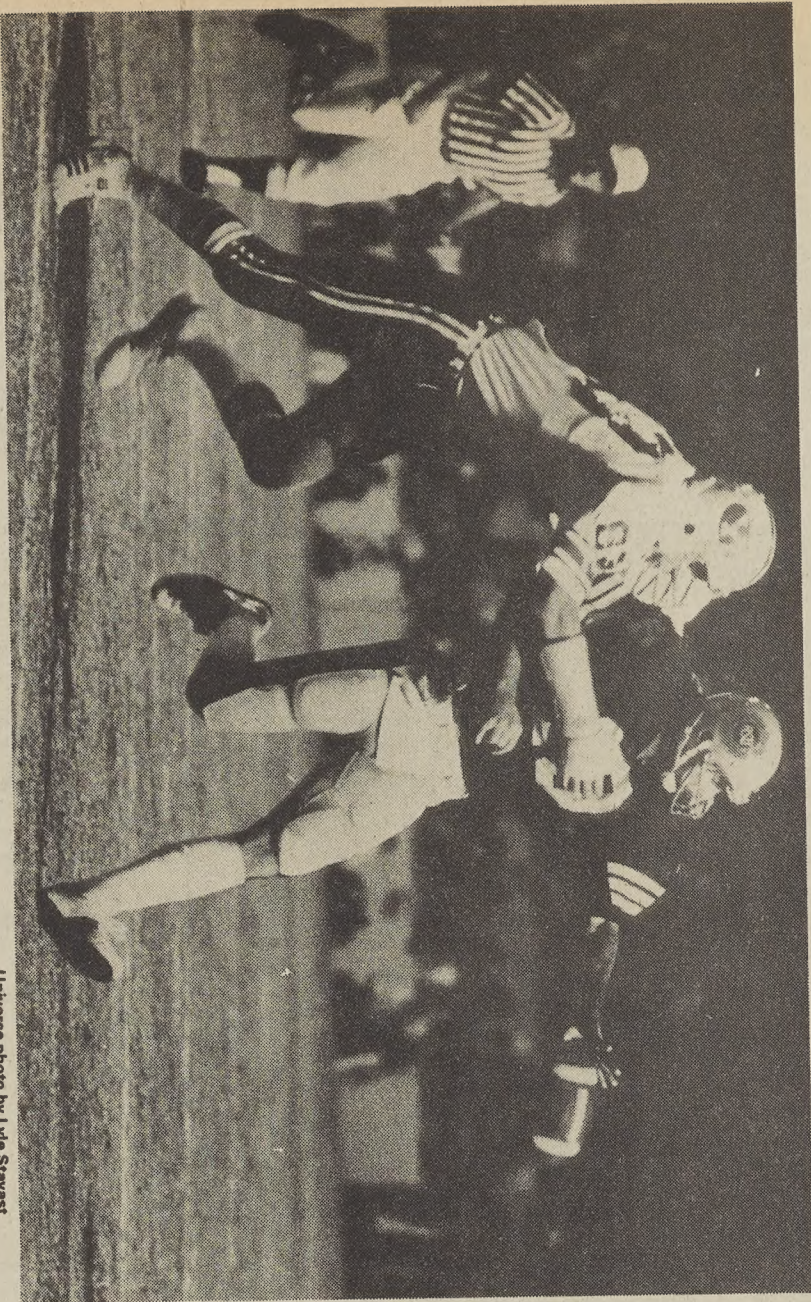
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# ASU humbles Cougars, WAC title hopes vanish



Universe photo by Lyle Stewart

Defensive end Matt Mendenhall applies pressure to ASU quarterback Dennis Sproul as he tries to pitchout on the option. Mendenhall had an excellent game.

## Turnovers sink BYU in 1st half at Tempe

By DUANE HARDY and DICK HARMON  
Universe Sports Writers

A Tempe desert breeze caused a BYU choke and a long trip home for many Cougar folk.

ASU's 24-13 victory over BYU gave the Sun Devils not only an excellent chance of winning the WAC title outright and playing host in the 1977 Christmas Fiesta Bowl, but the distinction of leaving the WAC as "champs" — a nickname they have had in football since the conference was born.

The Cougars put themselves in the hole early with six turnovers in the first 16 minutes which placed them so far downstairs that efforts to climb back were futile.

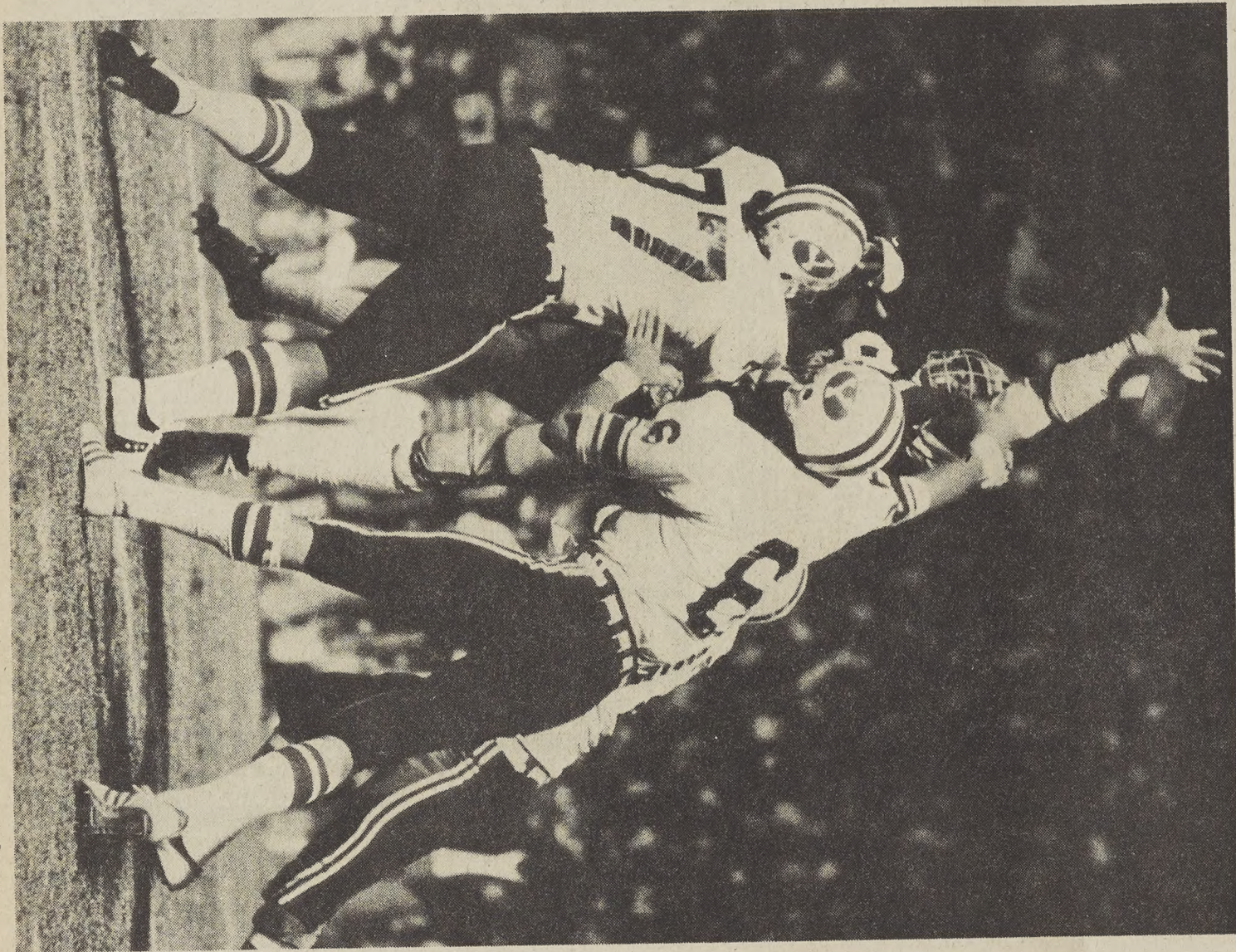
### Press respects BYU

Media in the Sun Devil Stadium pressbox respected BYU and looked for a Cougar come back that never came. "BYU is an incredibly good team to be down 17-0 after what happened in the first half," said one Phoenix writer. "The sleeping giant is bound to wake up. I only hope its next week," said a TV man.



Photo by Lyle Stewart

Injured runningback Roger Gourley watches game from the sideline. Gourley is lost for the season with a shoulder injury.



Universe photo by Lyle Stewart

Marc Wilson fires a pass over the outstretched hand of an ASU defender as Keith Uperessa and Calvin Close try to protect him.

And a week from last Saturday it will have to be.

A stiff ASU defense led by defensive safety John Harris (three interceptions) took all the charity BYU offered as the Sun Devils left the field at half time 17 points ahead of nothing.

The score at half-time should have been 33-0, but the BYU defense would not lay down and die, no matter what the offense did. The Big Blue "D" played superb, shutting down several easy ASU scoring opportunities after BYU offensive miscues.

"We can't really put the blame on any one thing, its just one of those things. They (ASU) knew what they were doing and they did it very well. I'm proud of our team. You can't lose a Gifford Nielsen and a Mekei Ileremia and expect not to be hurt, but these guys have played very well.

"In the second half we had a lot of opportunities and we just didn't take advantage of them," said Coach LaVell Edwards after the game.

### BYU defense solid

The Cougar defense made a brave goal line stand late in the first half after the Sun Devils recovered a BYU fumble and marched down to the BYU one-yard line. They took three down trying to punch the ball over, but BYU's defense would not budge.

ASU Coach Frank Kush praised the BYU defense after the game saying "We could get no where on their defense. They were solid all night."

In the second half, BYU's sputtering offense came alive as quarterback Marc Wilson established some of his timing with Puma receivers, passing for 270-yards and one TD.

But jinx that plagued the first half was not entirely finished. A 20-yard scoring strike from Wilson to Mike Chronister closed the gap 17-7 momentarily, but on the next Cougar possession fullback Todd Christensen lost the handle on the ball near the one-yard line after a great run and pass reception.

ASU then took the wind out of the Cougars on a 62-

## Other Cougar sports successful

BYU continued it's winning ways in overall weekend athletics despite a loss in football and a third place WAC finish in cross country.

The Cougars beat Utah, 4-2 in soccer and scored a stunning 29-14 upset of the All Blacks of Salt Lake in rugby while also sweeping a three game set from Wyoming in coed volleyball.

### Cross Country

BYU's cross country team, once rated No. 3 in the nation this season, ran into a controversial third place finish in the WAC Cross Country Meet in Salt Lake Saturday.

The UTTP Miners, defending NCAA champs two years running, placed five runners among the top ten finishers in winning their fifth straight WAC title. UTTP won the event with 36 points while Wyoming was second with 70 just in front of the Cats with 86.

Wyoming's Simon Kilili took a disputed first place while BYU's Luis Hernandez finished second. BYU Coach Sherard James filed an official protest, which was later denied, after Hernandez fell just 150 meters from the finish line after holding a slight edge over Kilili.

The incident took place on a slight embankment just yards from the finish line. Hernandez claimed that Kilili pushed him on the embankment. "He pushed me and struck his foot on mine," Hernandez said.

Bystander, Coach William Hershey said Kilili was just trying to steady himself. "Luis hesitated and was adjusting his stride on the embankment and the Wyoming runner (Kilili) put out his hand to steady himself

yard halfback pass from Arthur Lane to Chris DeFrance which made it 24-7.

### BYU needed breaks

BYU then failed to score on two passing occasions where Cat receivers were open. Combine those two possibilities with a possible score with Christensen's run, plus freshman Scott Phillips's nine-yard TD gallop as the game ended and a 35-24 Cougar victory could have been a reality. But as Coach Edward said after the fact, "Those are a lot of ifs."

BYU running back Roger Gourley suffered a shoulder injury and underwent surgery Sunday. Gourley, an excellent pass receiver and blocker, had metal pins placed in his shoulder to aid recovery and will be lost for the remainder of the season.

Gourley's replacement, Scott Phillips had an exceptional game, including the TD sprint he set up by a 63-yard run after he grabbed a Wilson screen pass and cut back against the grain, accelerated down the left sideline to the ASU nine.

There was one strange phenomenon in the contest. Many fans wonder exactly what statistics say. Before the game the comparison of BYU's total offense with ASU's was 472-yards to 468, a difference of four yards in BYU's favor. One would deduct by the facts that BYU would be better offensively by four yards. Despite BYU suffering eight turnovers in the game and only 46-yards in the first half, BYU gained 376-total yards to 372 for ASU — a difference of two yards. But in Saturday's game, yards were not the story — turnovers were.

Both Phillips and Christensen led BYU receivers with six catches each. Tod Thompson had four. Chronister two. Casey Wingard, John VanderWouden and Bill Ring each had one.

BYU's leading rusher in the game was Marc Wilson, who gained 51-yards on 15 attempts. Phillips had 40 on six tries, while Christensen collected 33-yards on eight carries.

Wilson was 21 for 38 for 283-yards and one TD.

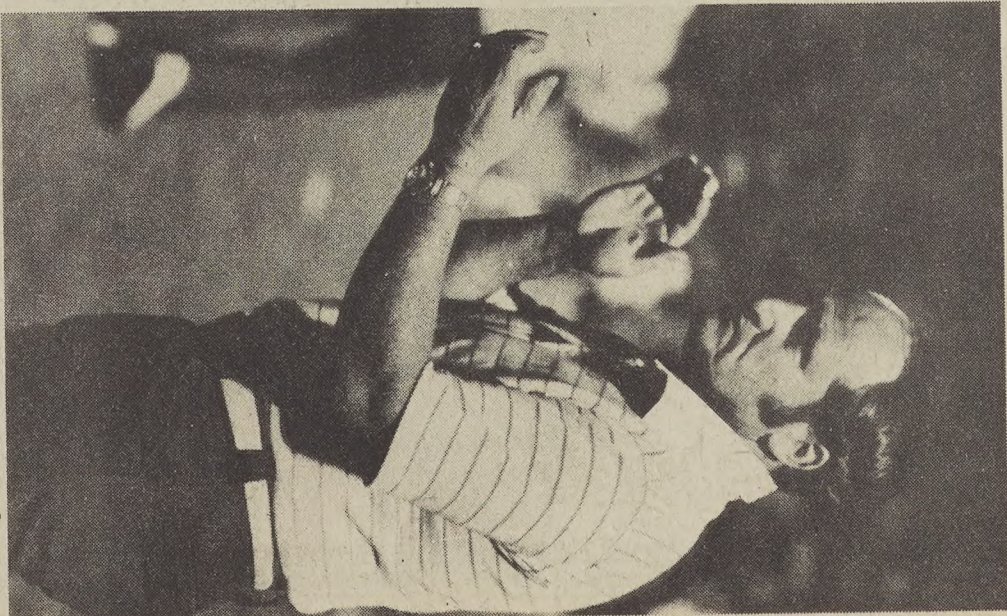


Photo by Lyle Stewart

Head Coach LaVell Edwards tries to raise the Cougar spirits during the 24-13 loss in Tempe Saturday.

Cougars were Matthew Brown, Stewart Robinson, Karl Tobler and Hector Tahn. Tahn's score came on a drop kick on the run.

### Women's Volleyball

BYU's nationally ranked women's volleyball team warmed up for this weekend's regional volleyball tournament sweeping a three game set with Wyoming 15-6, 15-9, and 15-8 Friday.

The Cougars will enter the regional tourney as the No. 1 seed. "We had a good time and relaxed," Coach Elaine Michealis said of the weekend game.

"I think we've bounced back from our California trip and will be ready for this weekend," Miss Michealis added.

### Soccer

BYU's varsity soccer team unofficially closed their 1977 collegiate season with a 4-2 win over Utah Saturday.

Two games remain on their schedule with Weber State but Coach Jim Dusara said he would let his JV teams play the Wildcats. Dusara plans to let the varsity play a club team from Salt Lake (Alemania) Saturday.

The Soccercats overcame a 2-2 tie at half to win their 14th game of the season. BYU has a 15-7-4 mark. Halfback Carlos Amorim led the Cougar effort with two goals while Brag Ord and Daniel Perryera each had one. "We scored first class goals," Dusara said. "We played well and it was a good team effort," he added.